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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/008,623	12/06/2001	Malcolm R. Schuler	90065.161701	3753	
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Thomas R. FitzGerald, Attorney			EXAMINER		
Reynolds Arcade Bldg Suite 210 16 E Main Street Rochester, NY 14614-1803			MARKOFF, ALEXANDER		
			ART UNIT	PAPER NUMBER	
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			DATE MAILED: 06/26/2003		

Please find below and/or attached an Office communication concerning this application or proceeding.

Application No. Schuller ET AL.				A.			
Examiner		Application No.	iplicant(s)	7			
Alexander Markoff 1746 1		10/008,623	SCHULER ET AL.	ł			
The MAILING DATE of this communication appears on the cover sheet with the correspondence address — Period f reply A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE ② MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION. Extractions of time ray be available used the providence of 3 CCR 1.138(a). In an event, however, may a risply be limited from the providence of the providence of 3 CCR 1.138(b). In an event, however, may a risply be limited from the providence of the providence of 3 CCR 1.138(b). In an event, however, may a risply be limited from the providence of the pro	Office Action Summary	Examiner	Art Unit				
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2a) This action is FINAL. 2b) This action is non-final. 3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213. Disposition of Claims 4) Claim(s) 13-15 is/are pending in the application. 4a) Of the above claim(s) is/are withdrawn from consideration. 5) Claim(s) is/are allowed. 6) Claim(s) is/are allowed. 6) Claim(s) is/are objected to. 8) Claim(s) are subject to restriction and/or election requirement. Application Papers 9) The specification is objected to by the Examiner. 10) The drawing(s) filed on 06 December 2001 is/are: a) accepted or b) objected to by the Examiner. Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a). 11) The proposed drawing correction filed on is: a) approved b) disapproved by the Examiner. If approved, corrected drawings are required in reply to this Office action. 12) The oath or declaration is objected to by the Examiner. Priority under 35 U.S.C. §§ 119 and 120 13) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: 1. Certified copies of the priority documents have been received in Application No 3 Copies of the certified copies of the priority documents have been received in Application No 3 Copies of the certified copies of the priority documents have been received in Application No 3 Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application). a) The translation of the foreign language provisional application has been received. 15) Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121. Attachment(s)	A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication. - If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely. - If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication. - Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). - Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).						
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2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 5) Notice of Informal Patent Application (PTO-152)	Attachment(s)						
	2) Notice of Draftsperson's Patent Drawing Review (PTO-948)	5) Notice of Informal F					



Art Unit: 1746

DETAILED ACTION

Claim Rejections - 35 USC § 112

- The following is a quotation of the second paragraph of 35 U.S.C. 112:
 The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.
- 2. Claims 13-15 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

Claims 13 and 14 are indefinite because it is not clear how the path can be traversed two or more times when the required movement should be along the path.

Claim 15 is indefinite because it is not clear what is meant under "a laminar energy wave front".

Claim 15 is incomplete because it recite a method for cleaning wafers, but fails to recite a step for cleaning wafers.

For the examination purposes the claims have been interpreted to the best examiner's understanding. It is noted that upon clarification of the claims a restriction could be required between claims 13 (14) and claim 15.

Claim Rejections - 35 USC § 102

3. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -



Application/Control Number: 10/008,623

Art Unit: 1746

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

4. Claims 13-15 are rejected under 35 U.S.C. 102(b) as being anticipated by Stanasolovich et al (any one of US Patents 5,533,540; 5,427,622; and 5,579,792).

With respect to claims 13 and 14:

The method of use of the apparatus referenced by Stanasolovich et al as Prior Art is the same as claimed.

See at least Figure 1 and the related description.

With respect to claim 15:

It is noted that operation of any embodiment of the cleaning apparatus of Stanasolovich et al. and the apparatus referenced by Stanasolovich et al. as Prior Art comprises the claimed steps. However, it is specially clear disclosed by Stanasolovich et al. for the embodiment presented on Figures 3 and 4a-c.

Conclusion

5. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. US Patents 6,314,974 and 6,367,493, which are issued on the parent applications have been made of the record.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Alexander Markoff whose telephone number is 703-308-7545. The examiner can normally be reached on Monday - Friday 8:30 - 6:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Randy P. Gulakowski can be reached on 703-308-4333.

Art Unit: 1746

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Page 4

proceeding should be directed to the receptionist whose telephone number is 703-308-

Alexander Markoff **Primary Examiner** Art Unit 1746

Any inquiry of a general nature or relating to the status of this application or

am June 25, 2003

ALEXANDER MARKOFF PRIMARY EXAMINED